



METROPOLITAN
TRANSPORTATION
COMMISSION

Agenda Item No. 2c

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Memorandum

TO: Operations Committee

DATE: June 3, 2011

FR: Executive Director

W.I. 1234

RE: Program for Arterial System Synchronization (PASS) Actions:

- (i) FY 2011-12 Cycle of Projects (\$1,250,000)
- (ii) Contract Amendments: Kimley-Horn & Associates (\$400,000), TJKM Transportation Consultants (\$360,000), and URS Corporation (\$320,000)

Background

The purpose of the Program for Arterial System Synchronization (PASS) is to provide technical and financial assistance to Bay Area agencies to improve the safety and efficiency of the operations of certain traffic signal systems/corridors. The program is guided by the Arterial Operations Committee, which is comprised of technical staff from cities and counties. The Transportation 2035 Plan provides approximately \$1.3 million per year in CMAQ funds for traffic signal coordination on arterials of regional significance. The PASS provides traffic engineering assistance to local jurisdictions in retiming their traffic signals, including transit signal priority, incident management flush plans, traffic responsive timing plans, additional timing plans for school peak hours, and establishing communication between state and local signals.

The projects typically include the following elements: 1) analysis of existing conditions, including conducting new traffic counts and performing travel time and delay studies for autos and transit, 2) development of recommended timing plans based on the assessment of existing conditions, 3) implementation of the approved timing plans, and 4) evaluation of the project's signal timing benefits across modes. Projects are defined by local agencies, evaluated by MTC staff, and assigned to consultants retained by MTC. Under this regional program, technical assistance and financial support will be focused on traffic signal system projects that:

- Interact with freeways and state highways;
- Involve traffic signals from multiple jurisdictions;
- Operate on corridors with established regional significance;
- Provide priority for transit vehicles; and/or
- Have been developed in conjunction with other regional programs.

i) FY 2011-12 Cycle of Projects

The Call for Projects for the FY 2011-12 Cycle was released on March 1, 2011. MTC received 24 applications totaling 424 traffic signals from eight counties in the Bay Area. MTC staff, in partnership with Caltrans, formed a review panel and all of the applications were reviewed for their adherence to the following goals and objectives of the program:

- Coordinate local and state-owned signal systems, and retime signal systems in response to changes to the state-owned system.
- Establish and maintain communications between systems owned by Caltrans and local agencies.
- Retime traffic signal systems to support priority for transit vehicles and other regional programs, such as safe routes to schools/transit, smart corridors, and incident management.

The review panel recommends the approval of 22 projects consisting of 350 signals for the FY 2011/12 Cycle of the PASS as listed in Attachment 1: Program for Arterial System Synchronization – FY 2011/12 Cycle Projects.

ii) Contract Amendments: Kimley-Horn & Associates (\$400,000); TJKM Transportation Consultants (\$360,000); and URS Corporation (\$320,000)

As per this Committee's approval at its June 11, 2010 meeting, staff entered into competitively procured one-year contracts with Kimley-Horn & Associates; TJKM Transportation Consultants; and URS Corporation for the PASS. At MTC's sole discretion and based on the performance of the consultants, the original contracts include an option to extend the period of performance for up to two one-year periods. Staff conducted performance evaluation surveys with all of the local jurisdictions participating in the PASS 2010/11 cycle and found the consultants' performance to be satisfactory. Staff therefore recommends extending all three consultant contracts and adding funds for one additional year to cover the FY 2011/12 Cycle of the PASS. Staff will use about \$50,000 to procure the required communications equipment, with the remaining \$120,000 used as a contingency reserve for the PASS.

Recommendation

Staff recommends that the Committee approve the 22 projects as listed in Attachment 1 for the 2011/12 Cycle of the PASS. Staff also recommends that this Committee authorize the Executive Director or his designee to negotiate and enter into one-year contract amendments with Kimley-Horn & Associates (\$400,000); TJKM Transportation Consultants (\$360,000); and URS Corporation (\$320,000) to provide technical assistance for the PASS, subject to approval of MTC's FY 2011-12 annual budget.



Steve Heminger

SH: VT

Attachment 1
Program for Arterial System Synchronization – FY 2011/12 Cycle Projects

#	County	Participating Agencies	# of Signals	Budget ¹
1	Alameda	Alameda City, Caltrans	8	\$40,500
2	Alameda	Berkeley	27	\$109,400
3	Contra Costa	Brentwood, CC County, Caltrans	12	\$35,700
4	Contra Costa	Danville, CC County, Caltrans	22	\$63,200
5	San Mateo	East Palo Alto, Menlo Park, Caltrans	13	\$75,100
6	Alameda	Fremont	11	\$31,000
7	Alameda	Livermore, Caltrans	7	\$18,100
8	Marin	Marin County, Larkspur, Caltrans	13	\$39,800
9	San Mateo	Menlo Park, Caltrans	10	\$33,100
10	Santa Clara	Mountain View, Caltrans	7	\$23,400
11	Napa	Napa City, Caltrans	14	\$50,300
12	Alameda	Oakland, Caltrans	14	\$49,300
13	Sonoma	Petaluma, Caltrans	14	\$43,800
14	Alameda	San Leandro, Caltrans	9	\$26,600
15	San Mateo	San Mateo County	4	\$11,200
16	Marin	San Rafael, Caltrans	77	\$219,800
17	Contra Costa	San Ramon	14	\$48,100
18	Santa Clara	Santa Clara City, SCL County, Caltrans	20	\$59,400
19	Santa Clara	Santa Clara County	29	\$68,200
20	San Mateo	South San Francisco, Caltrans	8	\$31,000
21	Solano	Suisun City, Fairfield, Caltrans	13	\$42,300
22	Sonoma	Windsor, Caltrans	4	\$10,700
Sub-Total			350	\$1,130,000
Contingency Reserve				\$120,000
PASS 2011/12 Cycle Total				\$1,250,000

¹ Includes estimates for weekday signal coordination, additional services, funding agreements, communications equipment, etc.

REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Contract Amendments

Work Item No.: 1234

Contractors: Kimley-Horn and Associates, Inc. (Pleasanton, CA)
TJKM Transportation Consultants (Pleasanton, CA)
URS Corporation (San Jose, CA)

Work Project Title: Program for Arterial System Synchronization (PASS)

Purpose of Project: To provide traffic engineering assistance and expertise to local jurisdictions in retiming their traffic signals

Brief Scope of Work: To provide assistance with the analysis of existing conditions, including collection of new traffic counts and performing travel time and delay studies; development of recommended timing plans; implementation of approved timing plans; and evaluation of the benefits of the projects

Project Cost for Amendments: Original Kimley-Horn Contract = \$400,000
Original TJKM Contract = \$360,000
Original URS Contract = \$320,000

Funding Source: CMAQ

Fiscal Impact: Included in the proposed FY 2011-12 Budget

Motion by Committee: That the Executive Director or his designee is authorized to negotiate and enter into contract amendments with Kimley-Horn & Associates (\$400,000); TJKM Transportation Consultants (\$360,000); and URS Corporation (\$320,000) to provide traffic engineering assistance and expertise to Bay Area jurisdictions and the Chief Financial Officer is authorized to set aside funds for such contracts in the above amounts subject to approval of MTC's proposed FY 2011-12 annual budget.

MTC Operations Committee:

Approved: _____
Jake Mackenzie, Chair

Approved: Date: June 10, 2011